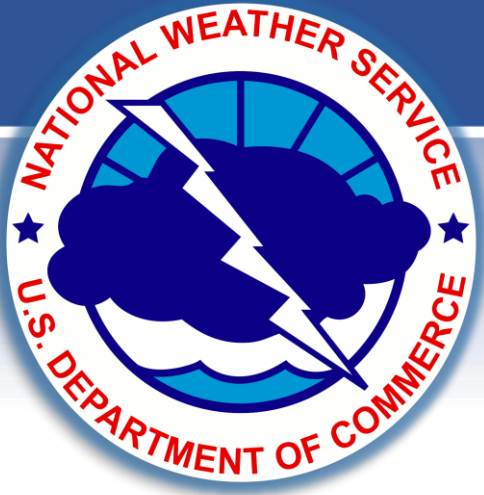


# Decision Support Briefing

Southeast River Forecast Center



## Decision Support Briefing

### Hydrologic Vulnerability Assessment for the GA, SC, NC, VA...

**TS Eta update**

**Issued:** 12:04 PM ET Monday, November 9, 2020



Weather Ready Nation



NWSSERFC



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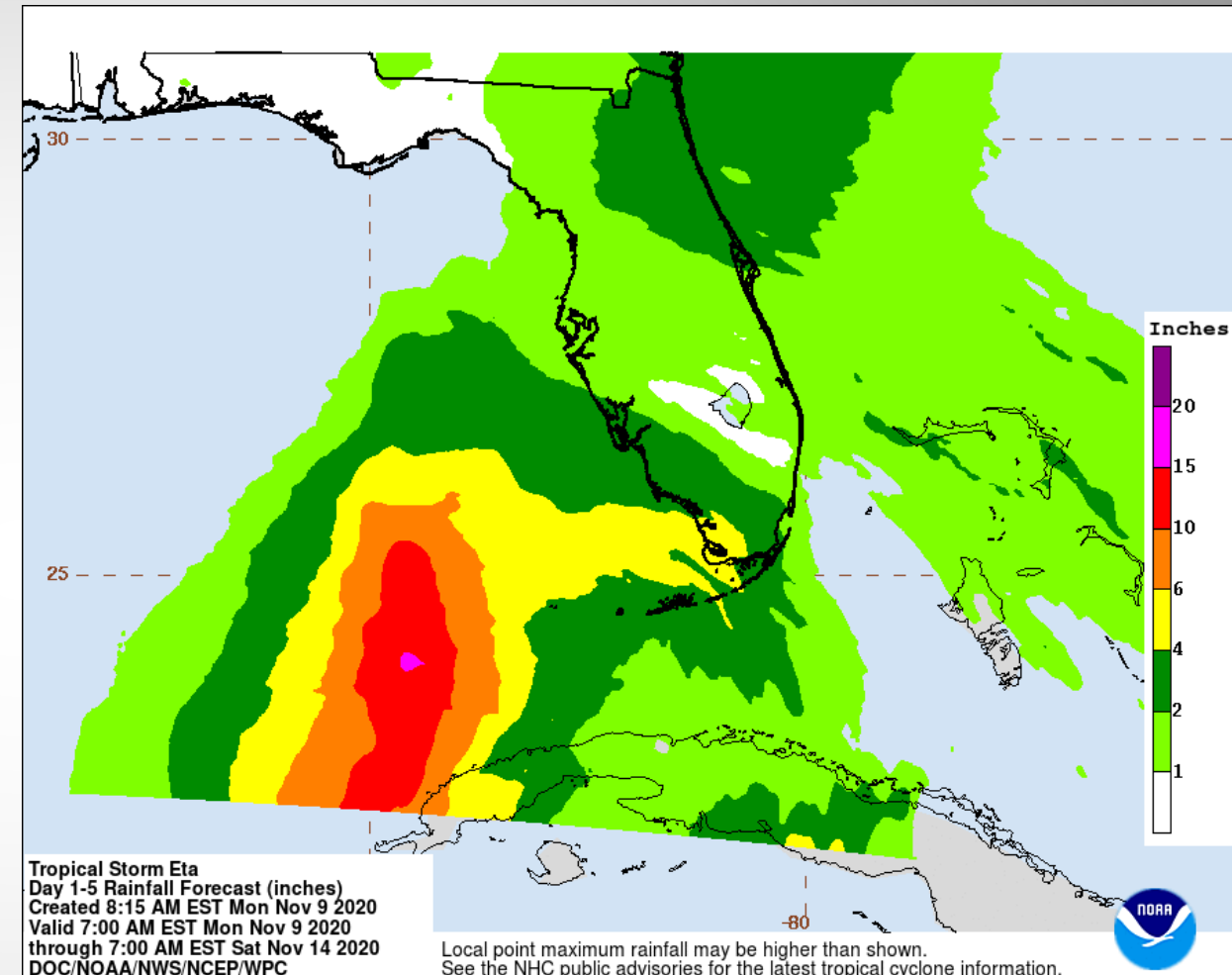
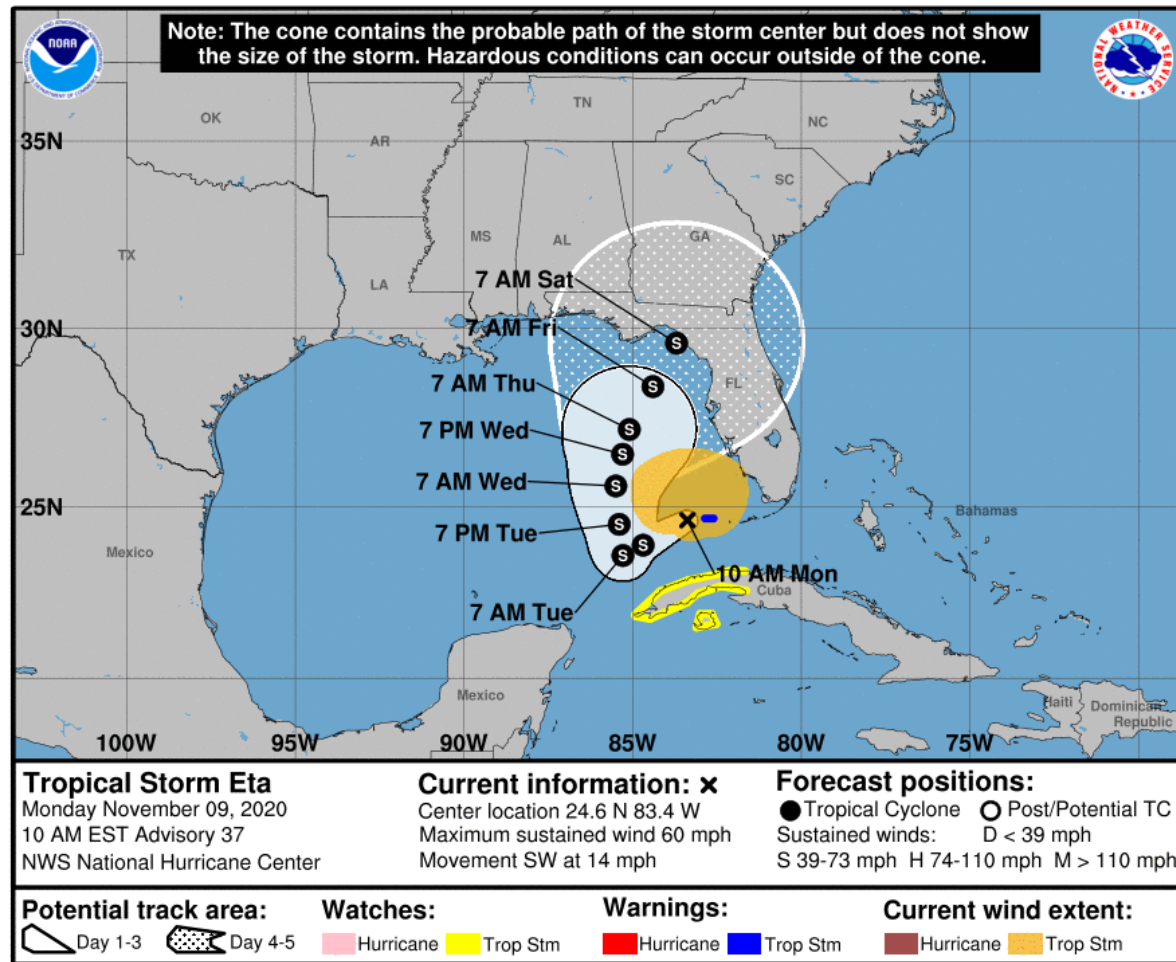


- **Tropical Storm Eta is expected to continue moving further into the Gulf of Mexico...diminishing the heavy rainfall threat in Florida.**
- **Across Georgia, the Carolinas and Virginia, away from TS Eta, rainfall associated with a cold frontal passage interacting with tropical moisture later this week is expected to produce heavy rainfall...minor flooding is possible.**

# Tropical Storm Eta

Southeast River Forecast Center

Issued November 9, 2020 12:04 PM ET



Tropical Storm Eta is moving out into the Gulf of Mexico which will diminish the threat of flooding in south Florida. SERFC rivers are not expected to rise to flood levels from Eta rainfall. Flash flooding in south Florida is still possible until Eta moves further away. Stay tuned to your local WFO for details.

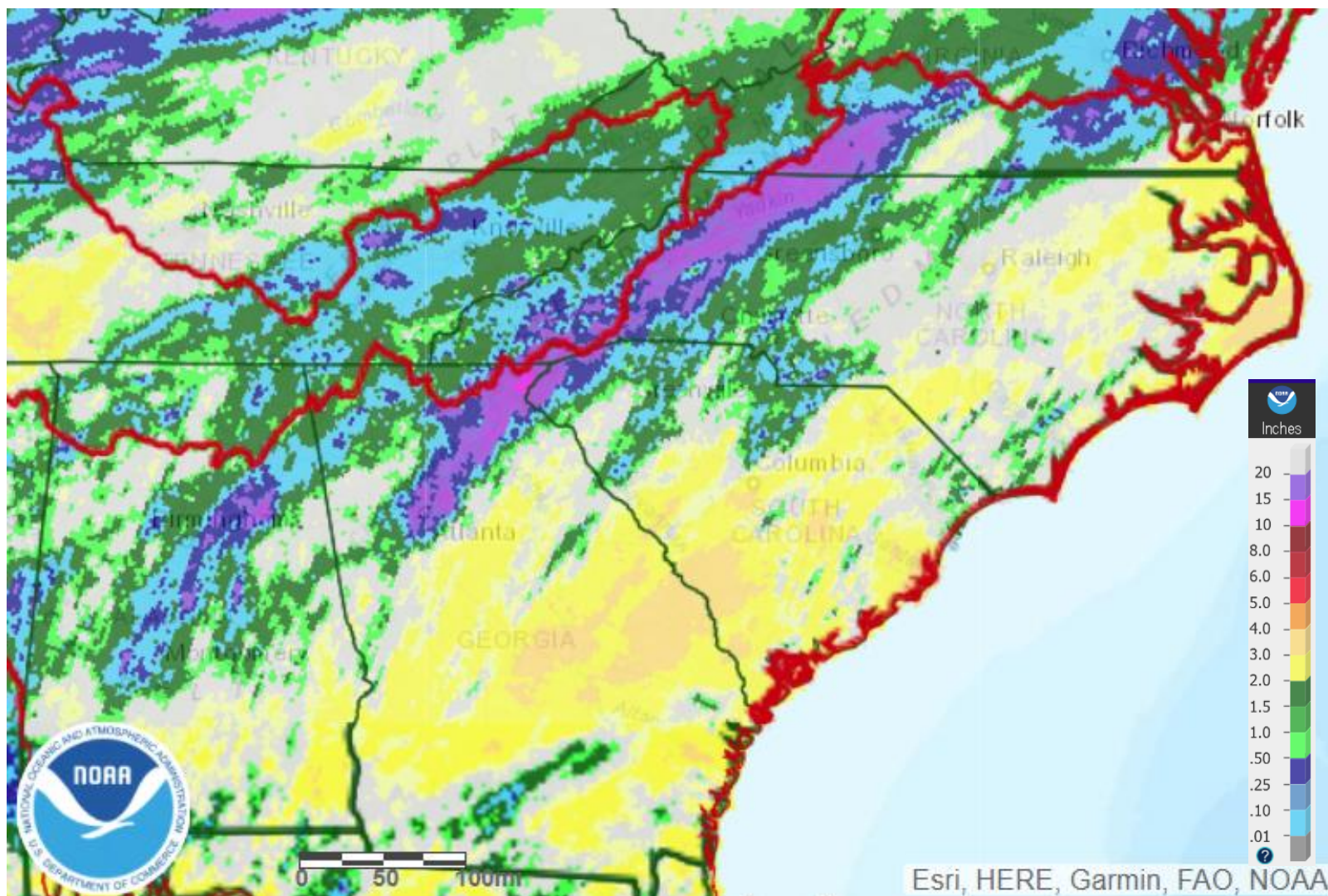


# 30-Day Departure From Normal Precipitation

Wet near mountains...drier in the piedmont and along the coast.

Southeast River Forecast Center

Issued November 9, 2020 12:04 PM ET



Rainfall across the southeast U.S. in the last 30 days has been mixed. Along the Appalachians from Georgia all the way through Virginia, above normal rainfall has occurred. The bulk of the rainfall was associated with Hurricane Zeta as it moved through the area.

Most areas of the piedmont and near the coast have been below normal the last month with a few exceptions...areas in eastern Virginia and in an area from Columbia, SC to Charlotte, NC.

# Streamflow Conditions

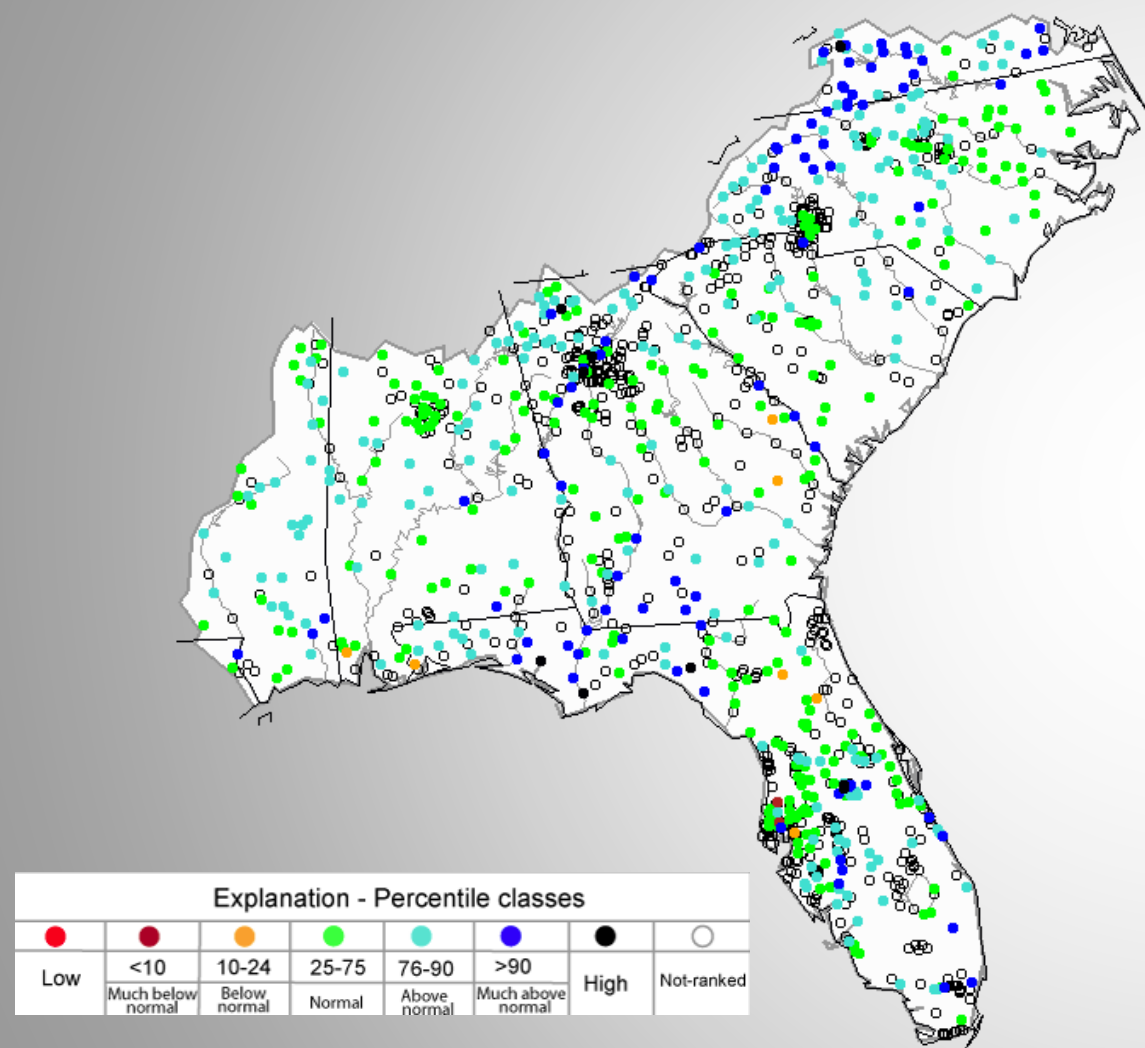
7-day average flows

Southeast River Forecast Center

Issued November 9, 2020 12:04 PM ET



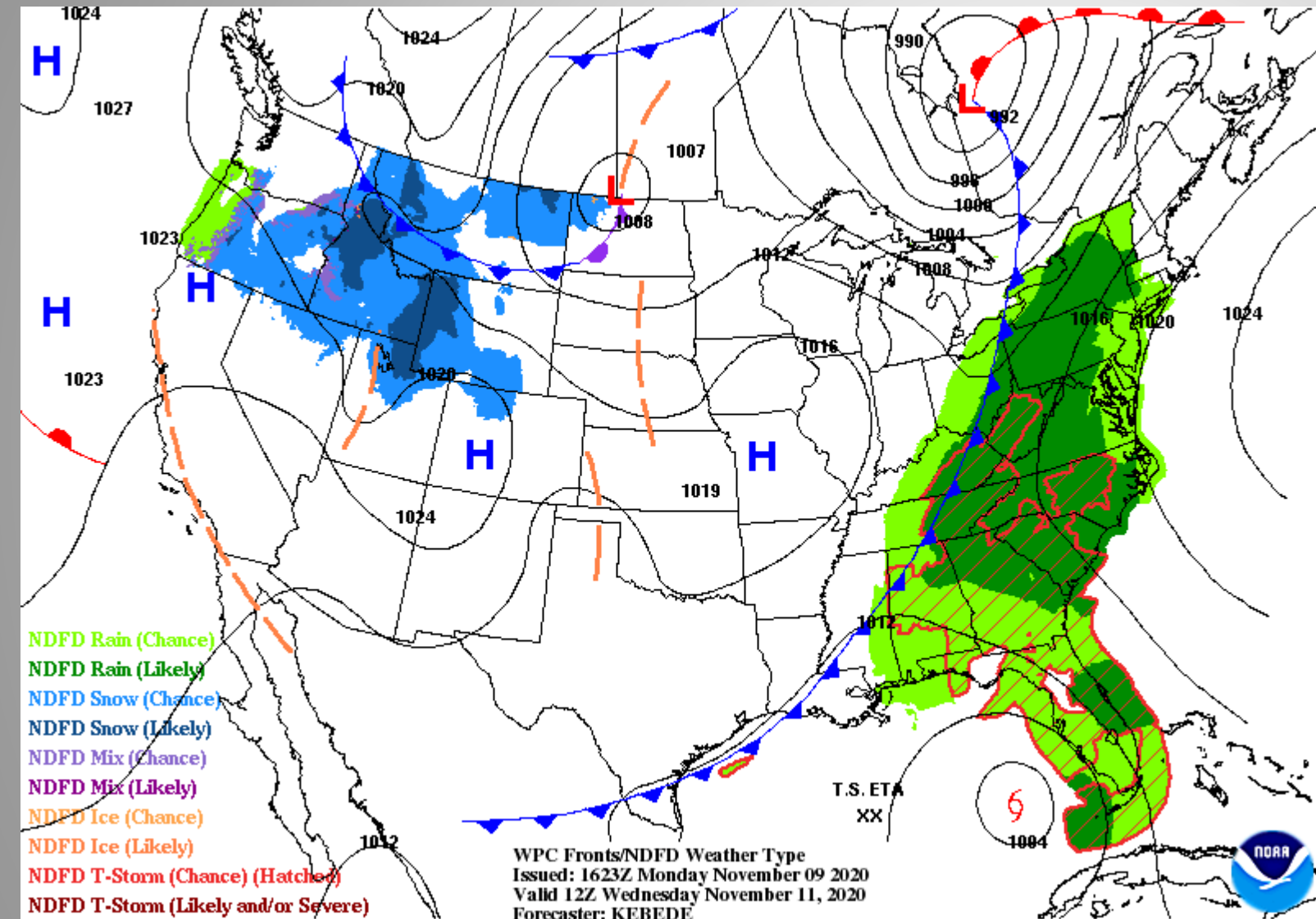
Sunday, November 08, 2020



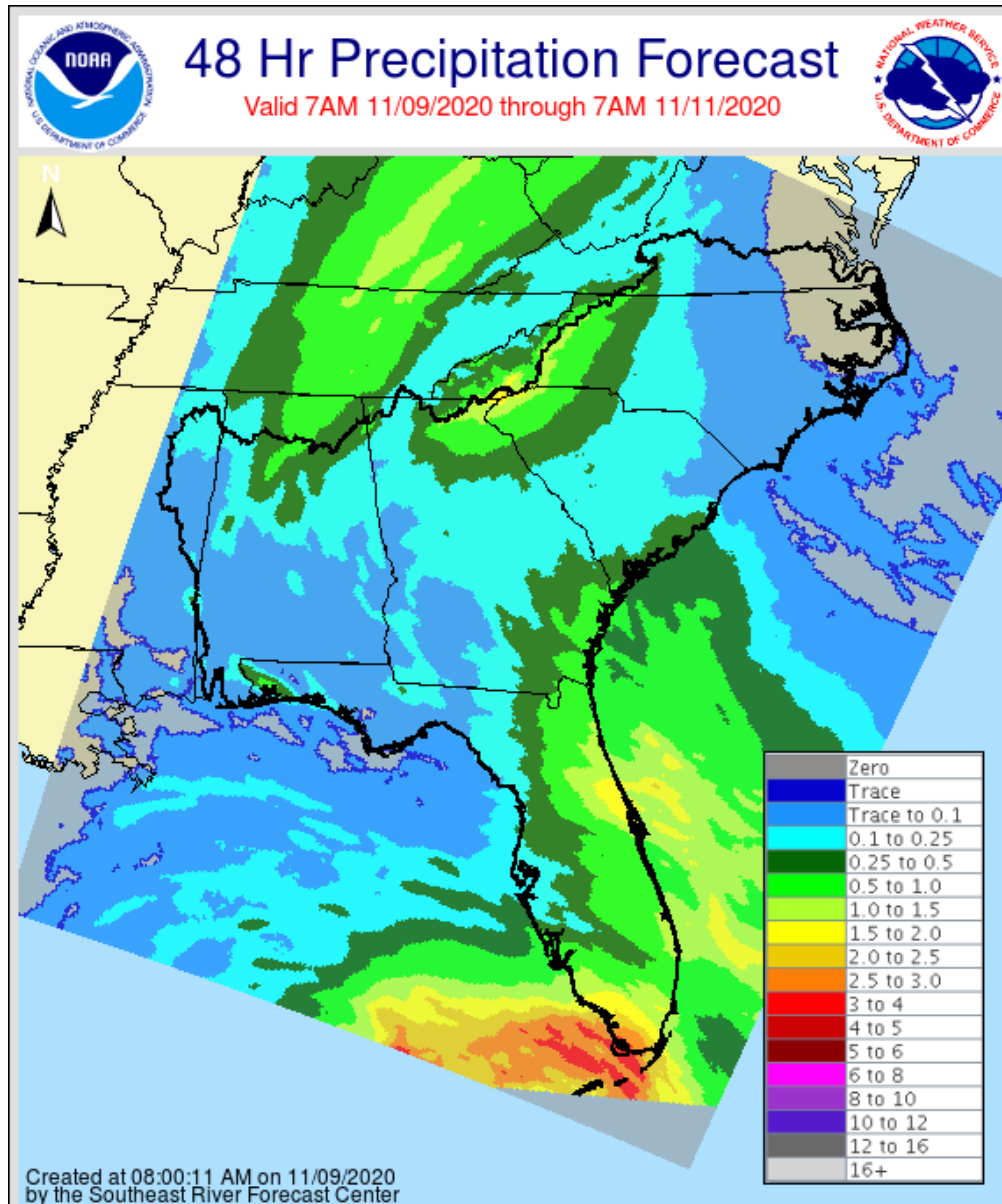
Streamflows across all of the southeast U.S. are ranging from normal to well above normal in some areas. The most vulnerable areas are in the Carolinas and Virginia along the mountains where the above normal rainfall totals have been observed.







By Wednesday, the combination of tropical moisture and an advancing front is forecast to pose a heavy rain threat across the Southeast, from northeast Georgia through the Carolinas and into Virginia.



Here is the 48-hour rainfall forecast from 7 am Monday thru 7 am Wednesday. The heaviest rain is expected in Georgia and the Carolinas along the Appalachians.

This 48-hour rainfall depiction is what is being used in the SERFC river models to produce river forecasts this morning.

Please continue to monitor river forecasts as this event evolves.

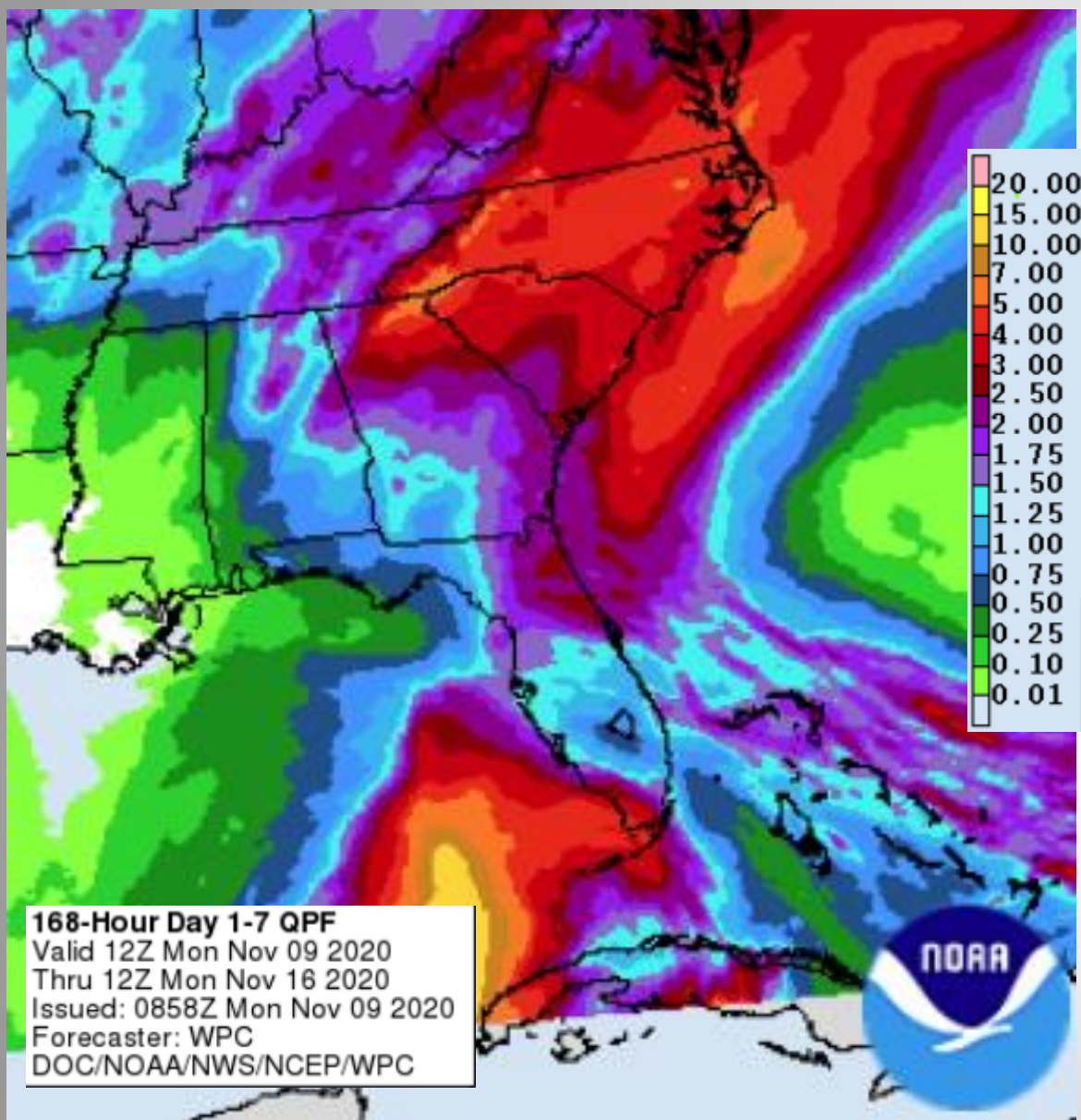


# Southeast Heavy Rain Threat

Rainfall 7 am today through 7 am Monday 11/16

Southeast River Forecast Center

Issued November 9, 2020 12:04 PM ET



Here is the rainfall depiction for the next 7 days. The heavy rain threat is highest in north Georgia, South Carolina, North Carolina, and Virginia.

While the most intense rain is expected Wednesday and Thursday associated with a cold front moving into the Southeast, rainfall will accumulate throughout the week and into next weekend until a strong cold front finally pushes through and drier air replaces all the tropical moisture by next Monday.

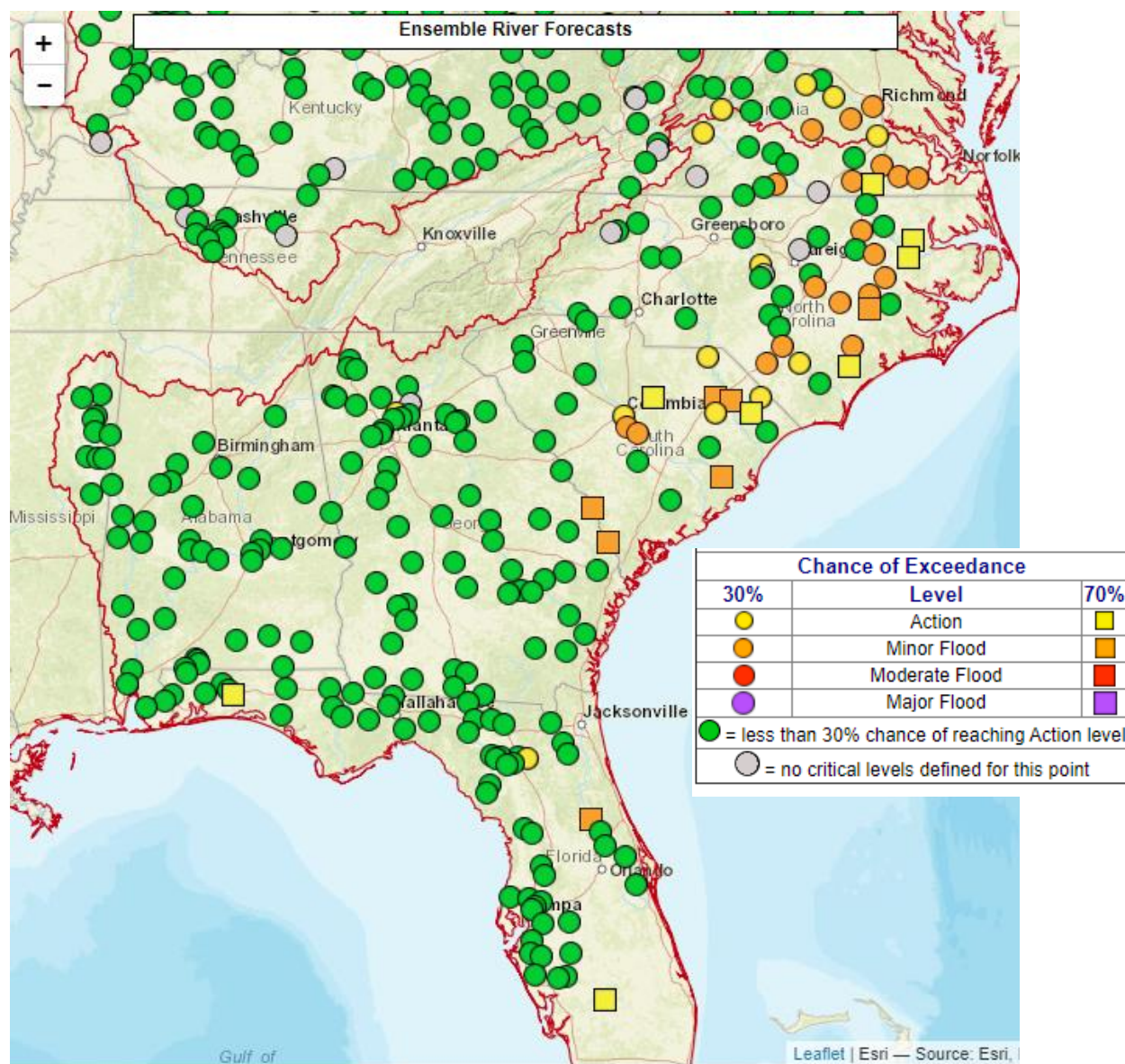


# River Flood Potential next 10 days

Meteorological Model Ensemble Forecast System

Southeast River Forecast Center

Issued November 9, 2020 12:04 PM ET



Here is our MMEFS 10-Day River Ensemble Forecasts to address potential flooding later in the week.

**The expectation is there will be bankfull and minor river flooding for the southeast U.S.**

Moderate flooding is not expected but might be possible in areas of intense rainfall.

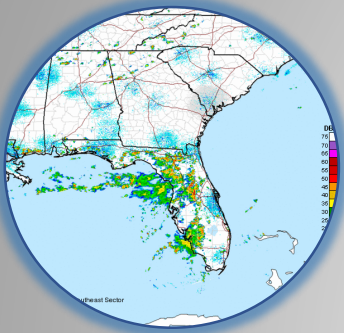
This forecast scenario could change so stay tuned over the coming days.



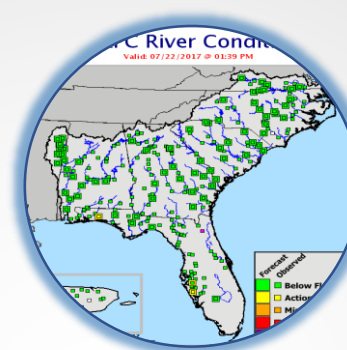
- SERFC is on normal operating hours. Normal hours are 6 am to 10 pm ET. Please contact us if you have any questions or concerns.
- Additional briefings are likely over the coming days.

Latest River Stages and Forecasts  
are available...click here!

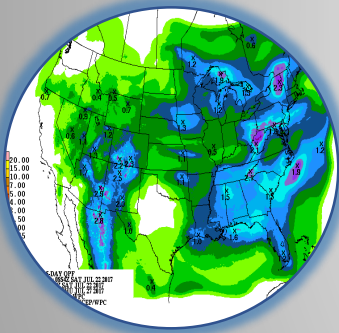
Please send all operational correspondence to  
[sr-alr.rivers@noaa.gov](mailto:sr-alr.rivers@noaa.gov) or call the office directly.



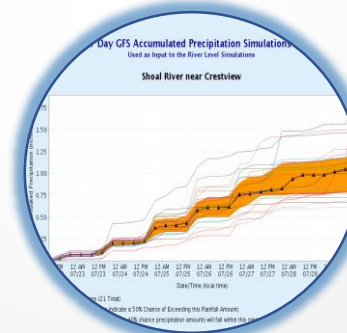
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)





- *The Decision Support briefing will continue over the next few days to update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email [sr-alr.rivers@noaa.gov](mailto:sr-alr.rivers@noaa.gov) or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*